



DeWalt DWD112 Armature Replacement

Replace a damaged armature or broken fan in your DeWalt DWD112 drill.

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INTRODUCTION

If the drill constantly becomes too hot to use, the cooling fan may be broken or clogged. Use this guide to replace the armature or fan of the DeWalt DWD112 drill.

TOOLS:

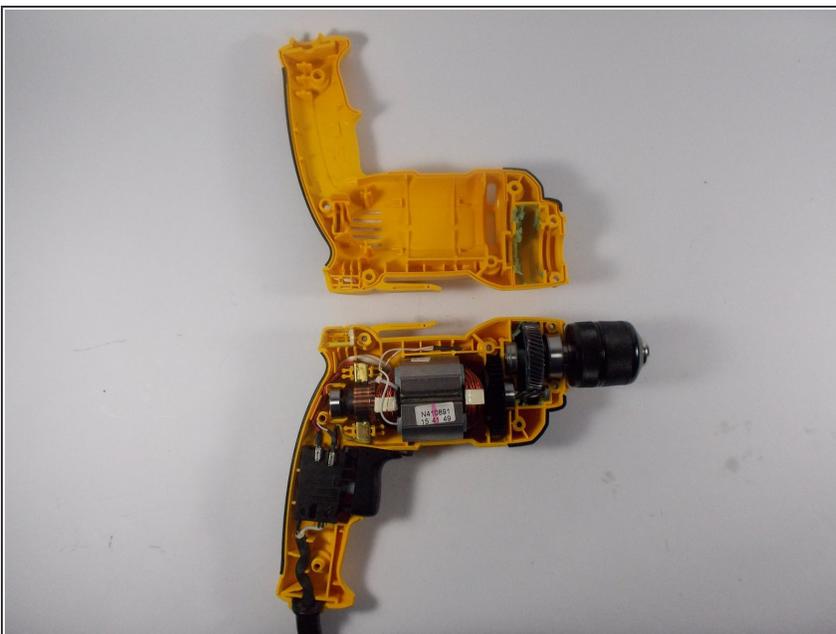
- [T20 Torx Screwdriver](#) (1)
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Step 1 — Power Cord



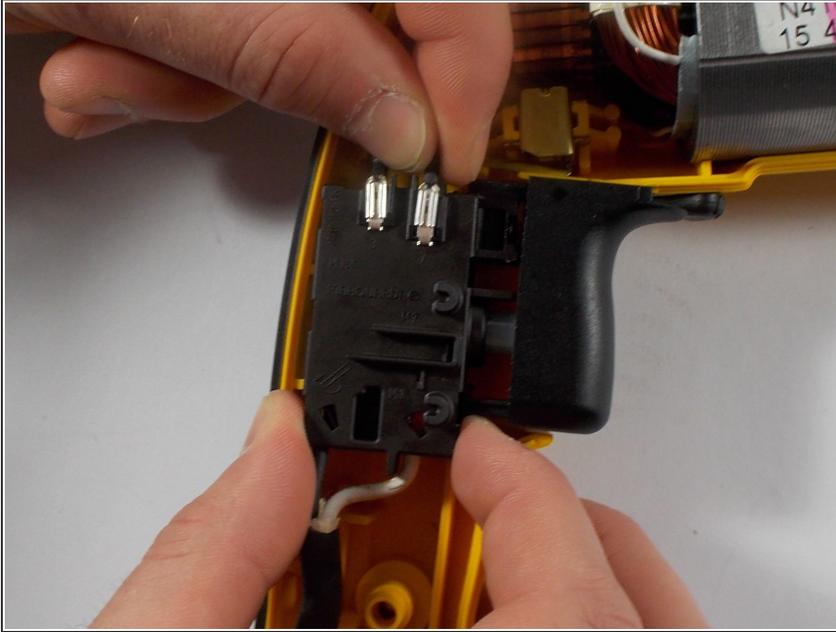
- Remove seven TR20 Torx Security screws from the side of the drill.

Step 2



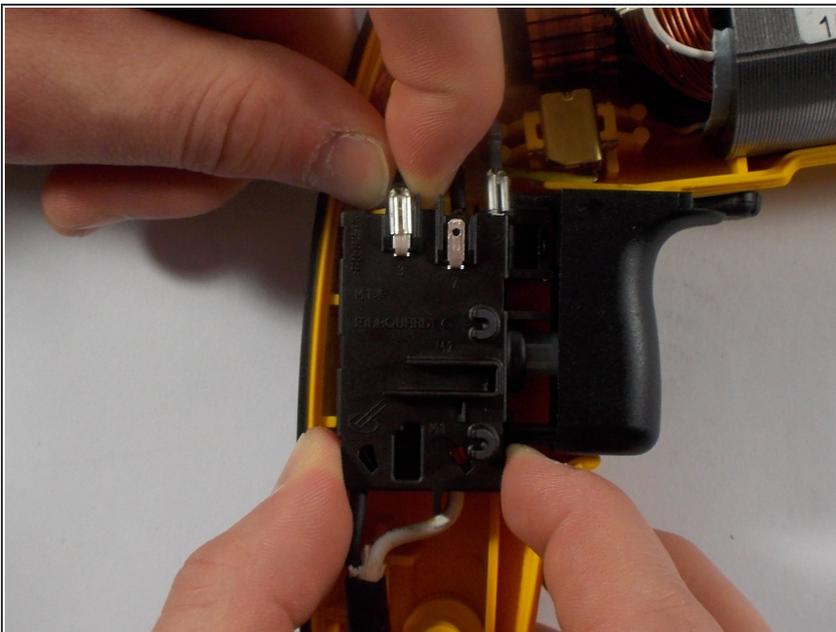
- Remove the top cover to reveal the inside of the drill.
- Set the top cover of the drill aside.

Step 3



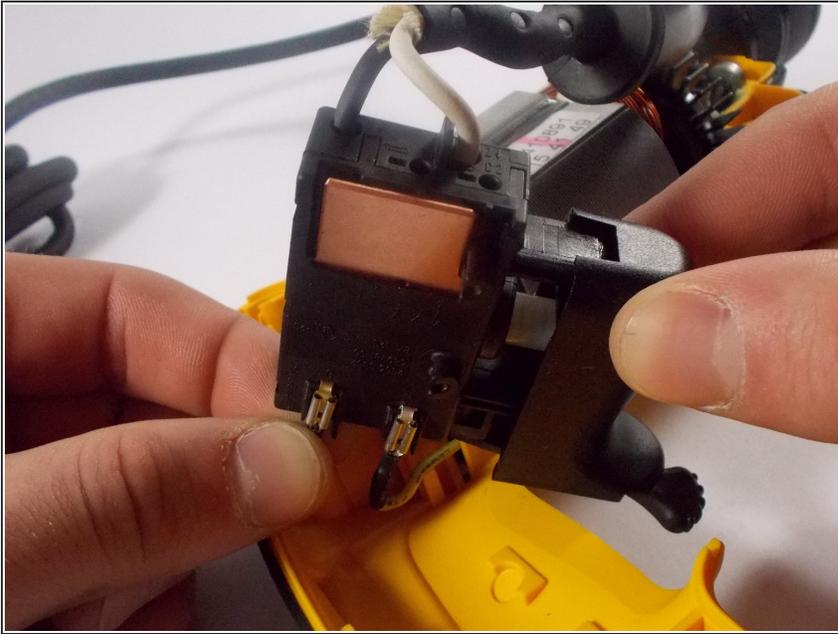
- ⓘ The power cord and the trigger act as a single part and must be replaced together.
- Using one hand grab the trigger box and with the other grab the end of the wire connecting to the trigger box and disconnect the wire.

Step 4



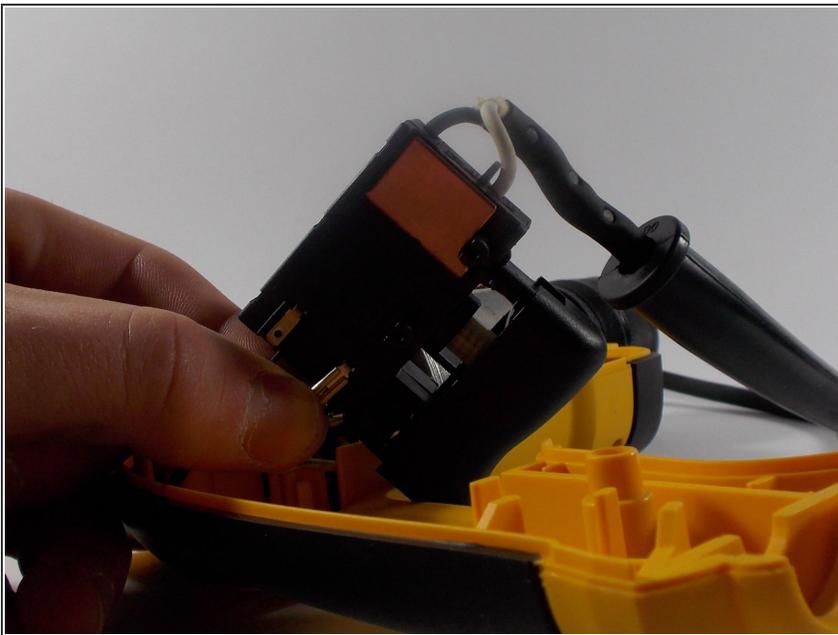
- Disconnect the second connected wire from the top of the trigger box.

Step 5



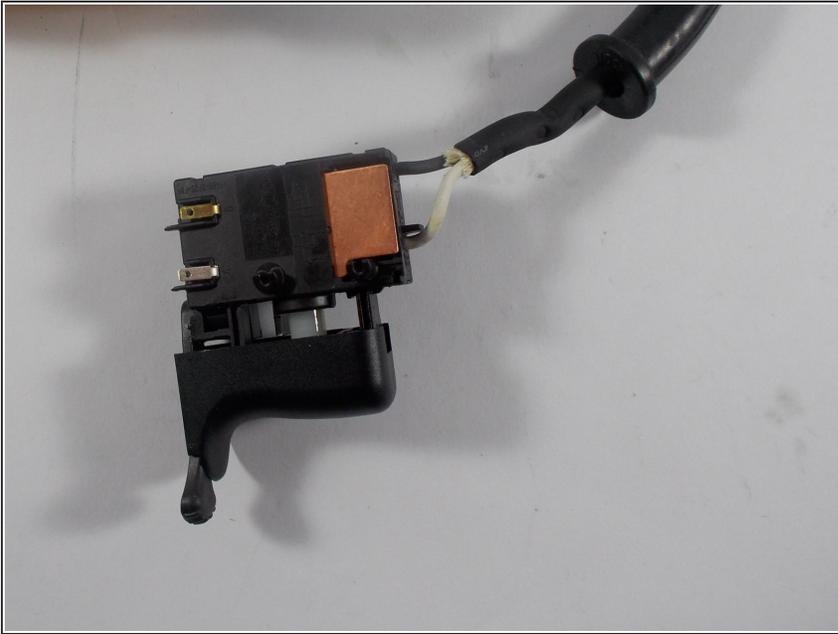
- Lift the trigger box up to reveal the bottom side.
- Disconnect the first connected wire from the bottom of the trigger box.

Step 6



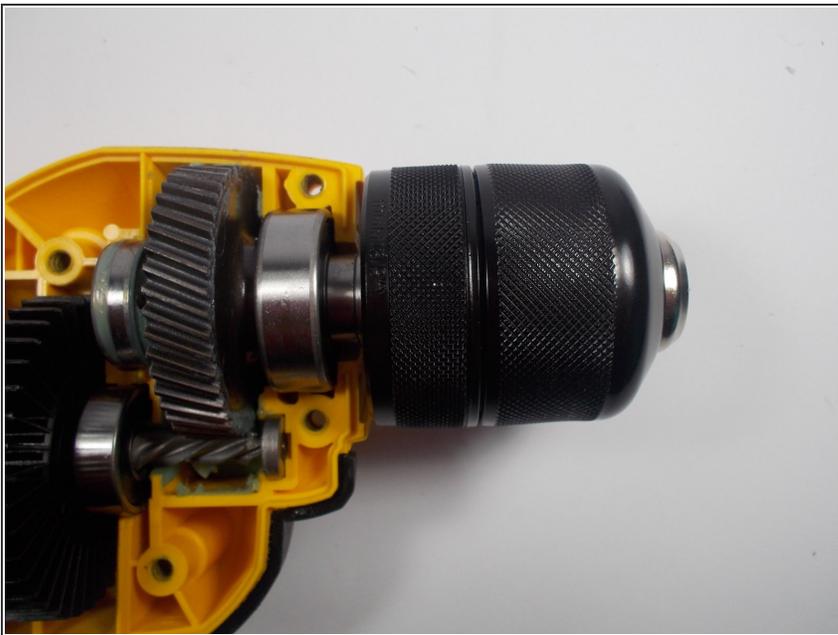
- Disconnect the last wire from the trigger box using the same method from the previous step.

Step 7



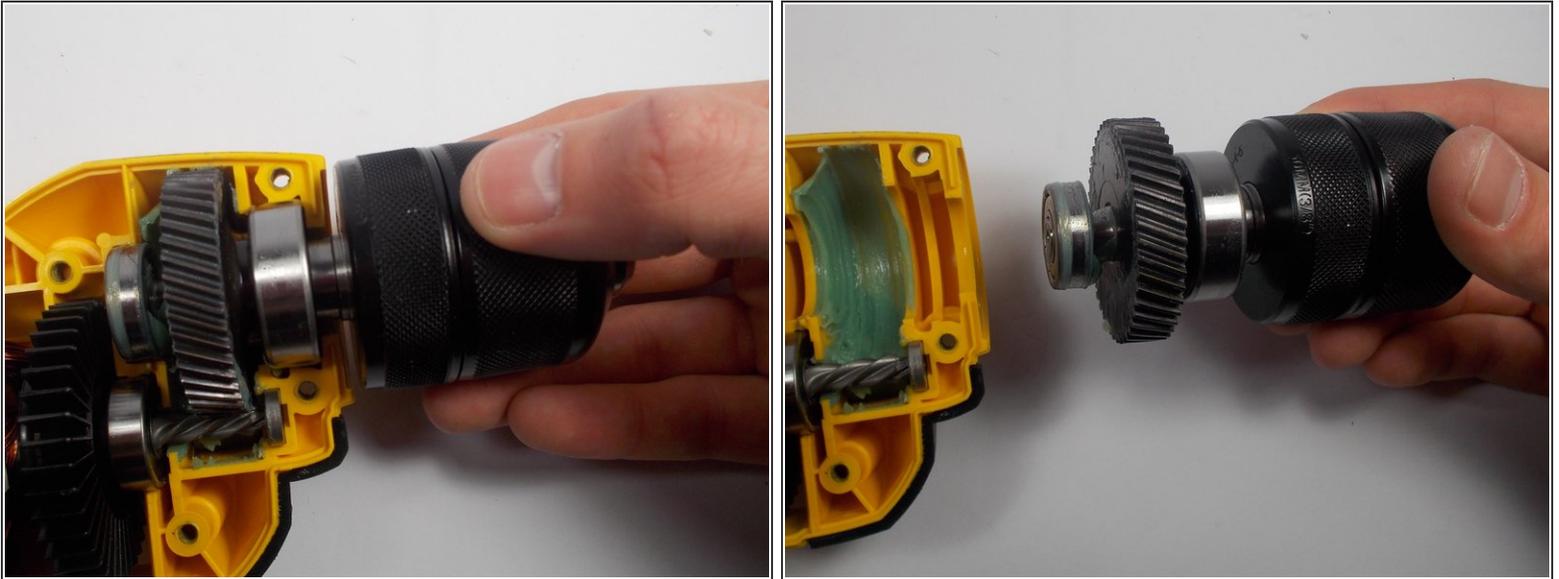
- After all four wires are disconnected, the trigger and power cord are separated from the drill.
- ⓘ The power cord and trigger can be set aside if further disassembly is required.

Step 8 — Armature



- Take note of the keyless chuck and the meshing of the gears.

Step 9



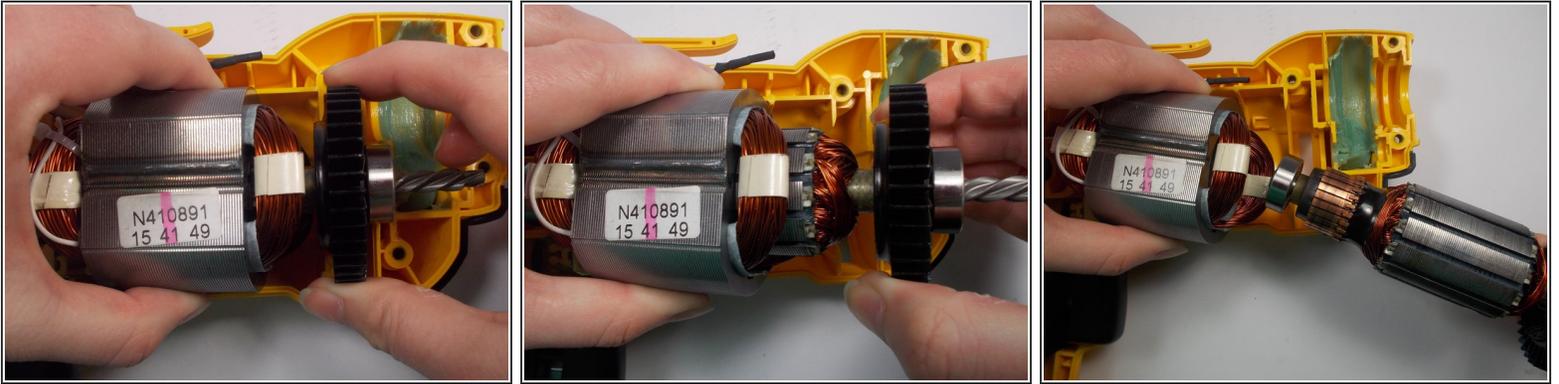
- Grab the metal chuck by the rotating spindle as if you are to tighten in a drill bit.
- Lift the metal chuck out of its resting place and set aside.

Step 10



- With your left hand, grab hold of the field, which is the large metal block with coils looped around the inside.
- Use your other hand to take the bearing out from the end of the gear connected to the armature.

Step 11



- Lift the field up once more with one hand and grab the cooling fan with the other hand and gently slide the armature out of the field.
- ⓘ The brushes will now be disconnected from the armature, meaning no current can flow from the power cord to the motor.

To reassemble your device, follow these instructions in reverse order.